



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031628491

Customer ID: ATEN78

Customer PO:

Project ID:

Attention: Matthew Weintraub

Atlantic Environmental Consulting, LLC

3725 Alpine Drive

Endicott, NY 13760

Phone: (607) 239-4311

Fax:

Received Date: 09/21/2016 11:03 AM

Analysis Date: 09/23/2016 - 09/24/2016

Collected Date: 09/17/2016

Project: 209 HARMON STREET, ELMIRA, NY

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-101 031628491-0001		Description 2FL/ BATH - 12X12 P&S FLOOR TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Beige		100.00% Other	None Detected
Sample ID 11716-102 031628491-0002		Description 2FL/ BATH - 12X12 P&S FLOOR TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Beige		100.00% Other	None Detected
Sample ID 11716-103 031628491-0003		Description 2FL/ BATH - DRYWALL Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	Gray	5.00% Cellulose 10.00% Glass	50.00% Gypsum 35.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-104 031628491-0004		Description 2FL/ BATH - JOINT COMPOUND Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	White	5.00% Cellulose	35.00% Ca Carbonate 60.00% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-105 031628491-0005		Description 2FL/ KITCHEN - DRYWALL Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	9.00% Cellulose	80.00% Gypsum 11.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial Report From: 09/24/2016 15:48:28



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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-106 031628491-0006		Description 2FL/ KITCHEN - JOINT COMPOUND			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	White		40.00% Ca Carbonate 60.00% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-107 031628491-0007		Description 1FL/ KITCHEN - 12X12 P&S FLOOR TILE			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Brown		100.00% Other	None Detected
Sample ID 11716-108 031628491-0008		Description 1FL/ KITCHEN - 12X12 P&S FLOOR TILE			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Brown		100.00% Other	None Detected
Sample ID 11716-109 031628491-0009		Description 1FL/ FOYER - GRAY VINYL FLOORING			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-110 031628491-0010		Description 1FL/ FOYER - GRAY VINYL FLOORING			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-111 031628491-0011		Description 1FL/ BATH - FLOOR COATING			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-112 031628491-0012		Description 1FL/ BATH - FLOOR COATING Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-113 031628491-0013		Description 1FL/ BATH - 2X4 CEILING TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-114 031628491-0014		Description 1FL/ BATH - 2X4 CEILING TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-115 031628491-0015		Description 1FL/ LR - 1X1 CEILING TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-116 031628491-0016		Description 1FL/ LR - 1X1 CEILING TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-117 031628491-0017		Description 1FL/ BR - DRYWALL Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	Gray	5.00% Cellulose 2.00% Glass	55.00% Gypsum 38.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-118 031628491-0018		Description 1FL/ BR - JOINT COMPOUND			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	8.00% Cellulose	80.00% Gypsum 12.00% Non-fibrous (other)	None Detected
Sample more closely matches description for #119					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-119 031628491-0019		Description 1FL/ BR - DRYWALL			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	Tan	None	35.00% Ca Carbonate 63.11% Non-fibrous (other)	1.89% Chrysotile
Sample more closely matches description for #118					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-120 031628491-0020		Description 1FL/ BR - JOINT COMPOUND			
		Homogeneity			
PLM NYS 198.1 Friable	09/23/2016				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-121 031628491-0021		Description BASEMENT/ WALLS - CEMENTITIOUS PARGING			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	Gray	5.00% Cellulose	55.00% Non-fibrous (other) 40.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-122 031628491-0022		Description BASEMENT/ WALLS - CEMENTITIOUS PARGING			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Gray		20.00% Ca Carbonate 25.00% Non-fibrous (other) 55.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-123 031628491-0023		Description BASEMENT/ CHIMNEY - FLUE CEMENT			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/23/2016	Gray		15.00% Ca Carbonate 35.00% Non-fibrous (other) 50.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-124 031628491-0024		Description Homogeneity	BASEMENT/ CHIMNEY - FLUE CEMENT Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Gray		20.00% Ca Carbonate 20.00% Non-fibrous (other) 60.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-125 031628491-0025		Description Homogeneity	EXTERIOR/ 2FL R WINDOW - GLAZING COMPOUND Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White	<1.00% Wollastonite	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-126 031628491-0026		Description Homogeneity	EXTERIOR/ 1FL FRONT WINDOW - GLAZING COMPOUND Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-127 031628491-0027		Description Homogeneity	EXTERIOR/ WALLS - CEMENTITIOUS (TRANSITE) SIDING Homogeneous		
PLM NYS 198.1 Friable	09/23/2016	Gray	None	25.00% Ca Carbonate 48.30% Non-fibrous (other)	26.70% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-128 031628491-0028		Description Homogeneity	EXTERIOR/ WALLS - CEMENTITIOUS (TRANSITE) SIDING		
PLM NYS 198.1 Friable	09/24/2016				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-129 031628491-0029		Description Homogeneity	EXTERIOR/ WALLS - ASPHALTIC FELT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-130 031628491-0030		Description Homogeneity	EXTERIOR/ WALLS - ASPHALTIC FELT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-131 031628491-0031		Description Homogeneity	EXTERIOR/ BASEMENT DOOR - ROOFING MEMBRANE Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-132 031628491-0032		Description Homogeneity	EXTERIOR/ BASEMENT DOOR - ROOFING MEMBRANE Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-133 031628491-0033		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FELT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-134 031628491-0034		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FELT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-135 031628491-0035		Description Homogeneity	ROOF/ MAIN - ASPHALTIC SHINGLE Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-136 031628491-0036		Description Homogeneity	ROOF/ MAIN - ASPHALTIC SHINGLE Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-137 031628491-0037		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FLASHING CEMENT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-138 031628491-0038		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FLASHING CEMENT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

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Test Report: Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 9/21/2016

Sample Receipt Time: 11:03 AM

Analysis Completed Date: 9/23/2016

Analysis Completed Time: 1:54 PM

Analyst(s):

Ghaly Hemaya PLM NYS 198.1 Friable (5)

Emily Myint PLM NYS 198.6 NOB (24)

Tiquasha Thompson PLM NYS 198.1 Friable (7)

Robert Georgens TEM NYS 198.4 NOB (24)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

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Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

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